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**(54)FIBER AND NONWOVEN FABRIC  
COMPRISING POLYACETAL**

**(57)Abstract:**

**PURPOSE:** To obtain a polyacetal fiber, available from a polyacetal having a specific melt viscosity, excellent in heat and chemical resistances and useful for a reinforcing material, a filter, etc.

**CONSTITUTION:** A polyacetal having 100-500, preferably 200-400 melt viscosity [measured by the flow rate (g) from a nozzle having 2mm diameter at 190°C under 2.16kg load for 10min] is melt spun and drawn to provide a

fiber, which is then formed into nonwoven fabric according to a spunbonding or a melt-blowing method. The polyacetal is obtained by using trioxane as a main monomer and a cyclic ether or a cyclic formal as a comonomer, regulating the amount of the comonomer to 0.2-10wt.%, preferably 0.4-5wt.% based on the trioxane and carrying out the cationic polymerization, etc. The melt viscosity of the polyacetal can be regulated by adding an adequate amount of a suitable chain transfer agent in polymerization.

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